

ABSTRACT

A universal ground strap assembly including a strap having a series of uniformly sized and spaced apertures to facilitate the installation of the ground strap assembly onto a wide range of structures of various shaped and sized cross-sections is provided. A stud, through which the strap is secured, includes a terminal portion adapted to accommodate and have secured therein a ground wire. The stud includes a curved surface to engage the elongated strap with smooth transition. The stud may be captivated on the strap by at least one projection extending into the hole in the strap within which the stud is held. A curved sliding nut supported upon the strap and a curved surface of the stud are used to form a tight clamping action of the strap about the structure to be grounded, without subjecting the strap to localized stresses or tearing, but permitting the strap to tightly encircle the structure. The curved sliding nut is also captivated on the strap with stops and defines a hole to receive the stud. The strap may also include an abrading surface to penetrate the outer surface layer of the structure.